

CHILDREN'S EDUCATION SOCIETY (Regd.)

THE OXFORD DENTAL COLLEGE THE OXFORD DENTAL COLLEGE (Recognized by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka & Marnataka & Affiliated by Dental Council of India, New Delhi) Bommanahalii, Hosur Road, Bangalore – 560 068. Ph: 080-61754680 Fax : 080 – 61754693E-malideandirectortodc@gmail.com Website: www.theoxford.edu

Geotagged Photographs of the Facilities

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Dean and Director The Oxford Dental College, Bommnaha!' Hosur Road Bengaluru - 560 068



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Summary:

In The Oxford Dental College, we strive to foster a culture of sustainability among the facilities, operations and classrooms of the college. Waste management involves the regular collection, transportation as well as processing and disposal and monitoring of waste materials to be able to upgrade the esteemed campus to a 'Zero waste campuses.

In The Oxford Dental College, refuse collection and coordinating waste disposal is carried out in an efficient and environmentally friendly manner. Segregation of waste is done by sorting and separate storage of solid wastes including gardening waste and non-biodegradable waste including recyclable waste, non-recyclable combustible waste, non-recyclable inert waste, domestic hazardous wastes, sanitary waste and construction and demolition wastes. Green and blue bins are used at the disposals in and around the campus for wet and dry waste respectively. Wet waste includes food wastes of all kinds, gardening/ plant wastes and also soiled papers. Dry waste includes plastics, compound packaging like tetra packs, cartons and cardboard, wood, rag, discarded clothing and also papers. The waste generated in the campus is segregated and stored in 3 separate streams namely bio-degradable, non-biodegradable and domestic hazardous waste in suitable bins and this segregated waste is collected by housekeeping personnel and is handed over to authorised waste pickers by BBMP as per the directions from the local authorities.

Awareness must be spread regarding the reduction of waste production, refuse, sanitary habits & careful handling of waste, by inculcating the value of waste as a resource, into the minds of all. In The Oxford Dental College, An extensive campaign will be running to mobilize the population of the campus in order to educate the waste generators on the importance of reducing waste generation and practicing segregation of biodegradable and non-biodegradable waste at the source to facilitate optimum utilization of reusable material and recycling of various components of waste. Campaign includes lectures, advertisement on notice board, displaying slogan boards in the campus. The staffs of the college who are handling the waste are trained by organising training sessions and demonstrations by Infection control committee of the college.

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Write-up on Waste Management and Segregation on the Campus. – Such as Solid & Liquid Waste, Biomedical waste, E-waste, Waste recycling system and Hazardous chemicals and radioactive waste

In The Oxford Dental College, we strive to foster a culture of sustainability among the facilities, clinical operations and classrooms of the college. Waste management involves the regular collection, transportation as well as processing and disposal and monitoring of waste materials to be able to upgrade the esteemed campus to a 'Zero waste campuses.

Solid & liquid waste: In the Oxford Dental College, systematically administered activities for the collection, source separation, storage, transportation, transfer, processing, treatment and disposal of solid waste has been inculcated. For solid waste, green and blue bins are used at the disposals in and around the campus for wet and dry waste respectively. The Solid waste generated in the campus is segregated and stored in 3 separate streams namely bio-degradable, non-biodegradable and domestic hazardous waste in suitable bins and this segregated waste is collected by housekeeping personnel and is handed over to authorised waste pickers by BBMP as per the directions from the local authorities.

In The Oxford Dental College, strict protocol has been followed to dispose liquid waste to prevent discharge of pollutants to the storm drain system or to water courses. Non-hazardous liquid waste is dewatered. Water from the liquid waste is removed until only solid waste remains. Water generated from this process can be recycled back into the waste water system and the sludge is disposed of safely.

Biomedical waste: As per the act passed by the Ministry of Environment and Forests, India in 1986 and in accordance to Biomedical waste management and handling rules notification in 1998, we have taken all necessary steps to ensure that waste generated is handled without any adverse effect to human health & environment. The biomedical waste generated in each department is segregated at source thereby reducing the risk of handling and disposal.

Colour coded bins are used in each department for segregation. Yellow plastic bag for human anatomical waste and items contaminated with blood and body fluids including cotton and dressings. Red plastic bag for microbiology and biotechnology waste and non-sharp solid waste such as tubing, catheters, IV sets etc. Blue/ white translucent puncture proof containers are used for waste sharps like needles, syringes and etc. Black plastic bag is used for discarded medicines and cytotoxic drugs and chemical waste. The waste material is collected from each department after 3:00 PM and transported by the housekeeping staff to the disposal area, located at the backyard of the college. This waste is transported and treated by

3 Dean and Director

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Maridi Eco industries Pvt Ltd, Bangalore with which the college has Memorandum of understanding.

Under graduate and post graduate students are oriented through training sessions towards the segregation process for waste disposal as and when they enter each department depending on the specific waste being generated in that particular department. Housekeeping staff are trained regarding proper labelling, handling as well as storage of waste.

E-Waste: In The Oxford Dental College, E-waste like abandoned laboratory equipments, air conditioners, electrical cables, printers and so on generated, is collected on bi annual basis from each department and handed over to authorised dismantlers and recyclers through The Oxford College of Engineering management.

Water recycling system: In The Oxford Dental College, strict protocol has been followed to dispose liquid waste to prevent discharge of pollutants to the storm drain system or to water courses. Non-hazardous liquid waste is dewatered. Water from the liquid waste is removed until only solid waste remains. Water generated from this process can be recycled back into the waste water system and the sludge is disposed of safely.

Hazardous chemicals & radioactive waste: The hazardous chemicals generated in various departments are disposed of safely. After the use of the X ray processing solution that is generated in the Department of Oral Medicine and radiology is kept in the safe containers till it loses its strength and later handed over to registered agency for disposal. Waste silver amalgam that is generated while using in the Department of Endodontics is immersed in sodium thiosulphate and later handed over to registered agency for disposal.

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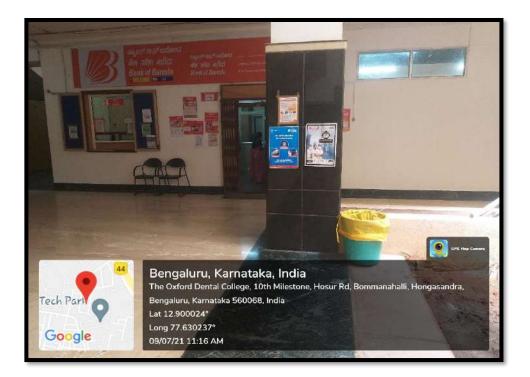


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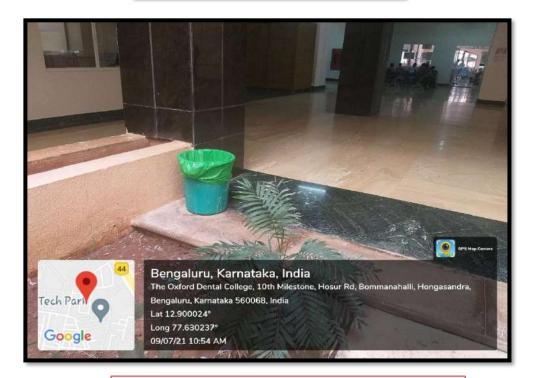
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Solid & Liquid Waste Segregation - Waste segregation Dustbins placed across the campus (Dry/Wet/Plastic)

College



Dustbin in ground floor Lobby

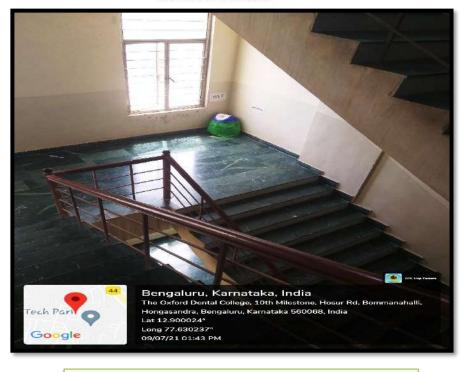


Dustbin in ground floor Patient Waiting Area

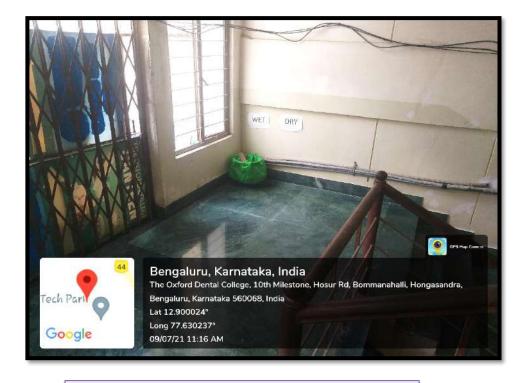


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Dustbin in ground floor Second Floor Staircase

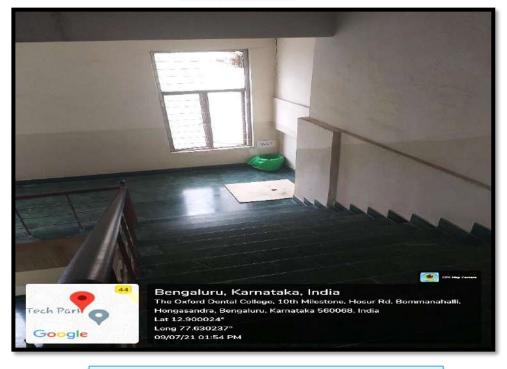


Dustbin in second floor Staircase

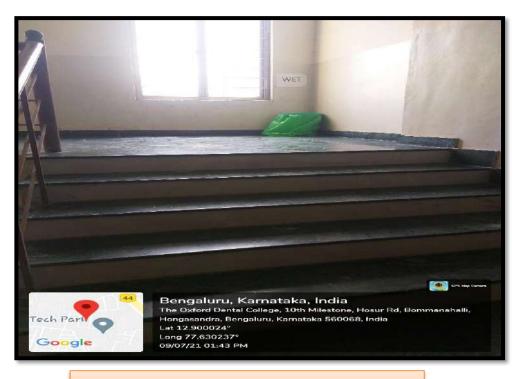


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Dustbin in second floor Staircase



Dustbin near fourth floor Staircase

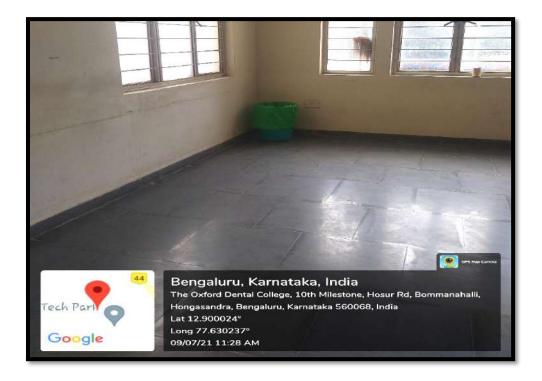


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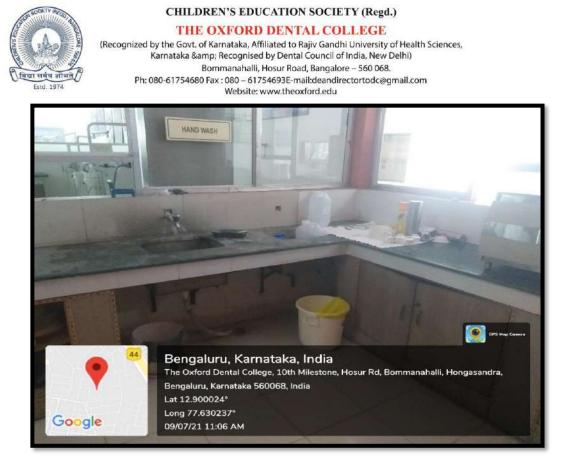
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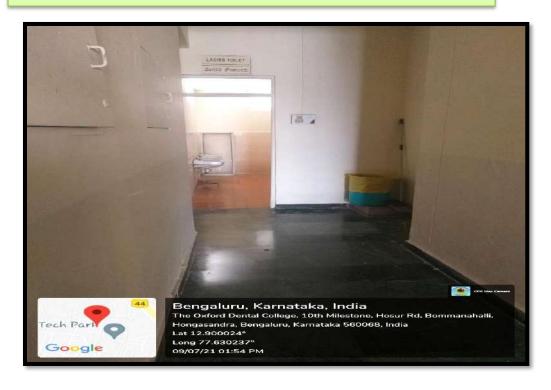
Dustbin for general waste in Dept of Oral Medicine & Radiology lab



Dustbin for general waste in Dept of Oral & Maxillofacial Surgery lab



Dustbin for general waste in Dept of Oral Surgery sterilization room



Dustbin outside Men Restroom



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Dustbin outside Women Restroom



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Solid Waste Management



Transport of solid general waste from college to storage



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No 166/A Hongasandra, opposite to Tech Park, Hongasandra, Bengaluru, Karnataka 560068, India

Latitude 12.90120885707438°

Local 03:14:10 PM GMT 09:44:10 AM Longitude 77.63039189390838°

Altitude 770 meters Monday, 03-15-2021



Solid Waste Dumping Area



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43/1,5th Cross Mangamanapaliya Main Road Bommanahalli, opp. Salarpuria App, Hongasandra, Bengaluru, Karnataka 560068, India

Latitude 12.901247455738485°

Local 03:14:38 PM GMT 09:44:38 AM 77.63015611097217°

Altitude 777 meters Monday, 03-15-2021

Longitude

Solid Waste Storage Area



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GMT 09:40:51 AM

Dustbin Near Canteen

Monday, 03-15-2021



Dustbin Near Mess



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USE ME 6/9, 1st Crossm Begur Rd, Hongasandra, Bengaluru,

Karnataka 560068, India

Latitude 12.900975504890084° Local 03:11:11 PM GMT 09:41:11 AM

Longitude 77.63048769906163° Altitude 775 meters

Monday, 03-15-2021

Dustbin Near Hostel



Dustbin Near Roadside



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Biomedical waste management - Waste segregation Dustbins placed across UG/PG

Clinics, Hospitals & Satellite centres

Department of Oral Medicine and Radiology





OPG Room (OMR)



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Dustbin in IOPA room - Room 1 (OMR)



Dustbin in IOPA room - Room 2 (OMR)

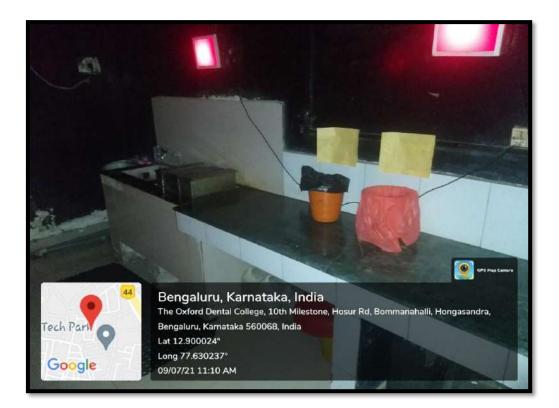


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Dustbin in IOPA room - Room 3 (OMR)

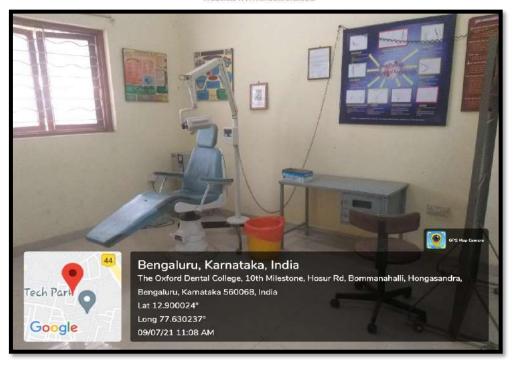


Dustbin in X - ray processing room (OMR)



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Dustbin in UG IOPA room (OMR)



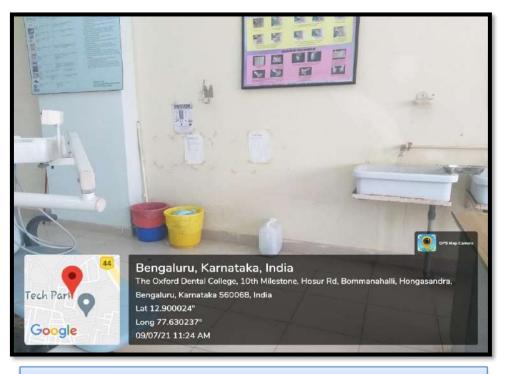
Colour coded bins for Biomedical waste for UG & PG Clinics (OMR)



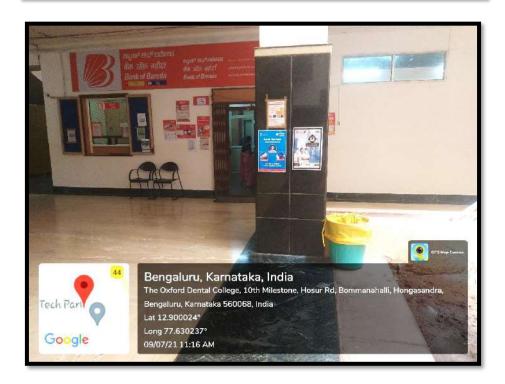
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Department of Oral and Maxillofacial Surgery



Colour coded bins for Biomedical waste for UG Clinics (OMS)



Colour coded bins for Biomedical waste in Implant room (OMS)



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Colour coded bins for Biomedical waste in PG Clinic (OMS)

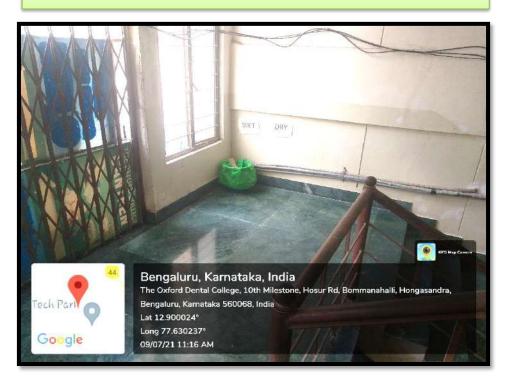




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Gowns and Cloth Disposal Area (OMS)



Colour coded bins for Biomedical waste in war room (OMS)



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Department of Conservative Dentistry and Endodontics





Colour coded bins for Biomedical waste in PG clinic (Aesthetic Clinic)



Colour coded bins for Biomedical waste in UG clinic



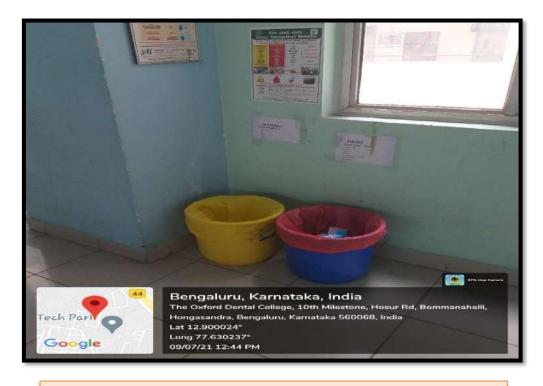
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Department of Periodontics



Colour coded bins for Biomedical waste in UG Clinic



Colour coded bins for Biomedical waste in PG Clinic



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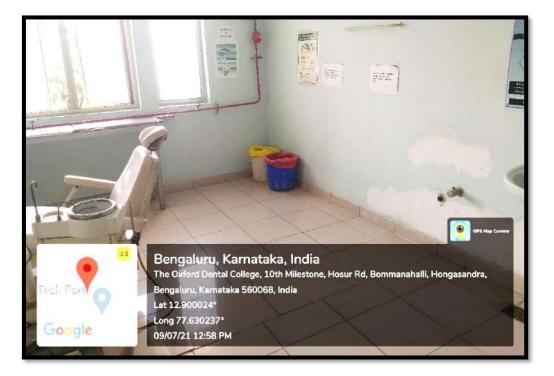
Colour coded bins for Biomedical waste in Sterilization Room



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Department of Prosthodontics





Colour coded bins for Biomedical waste in UG clinic



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Colour coded bins for Biomedical waste in PG clinic



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Department of Orthodontics & Dentofacial Orthopaedics



Colour coded bins for Biomedical waste in PG clinic



Colour coded bins for Biomedical waste in UG clinic



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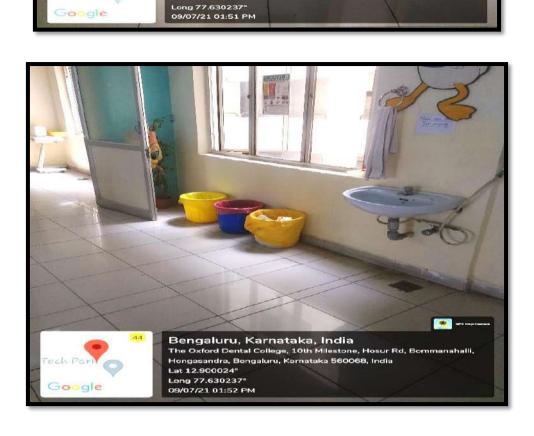
Department of Pedodontics & Preventive Dentistry





Colour coded bins for Biomedical waste in UG clinic





Bengaluru, Karnataka, India The Oxford Dental College, 10th Milestone, Hosur I Hongasandra, Bengaluru, Karnataka 560068, India Lat 12.900024*

ur Rd.

Colour coded bins for Biomedical waste in PG clinic



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Department of Oral Pathology



Colour coded bins for Biomedical waste in lab



Colour coded bins for Biomedical Waste Segregation Method



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Colour Coded Bins in A Satellite Center for Biomedical Waste Disposal.



Colour coded bins for Biomedical Waste in clinic



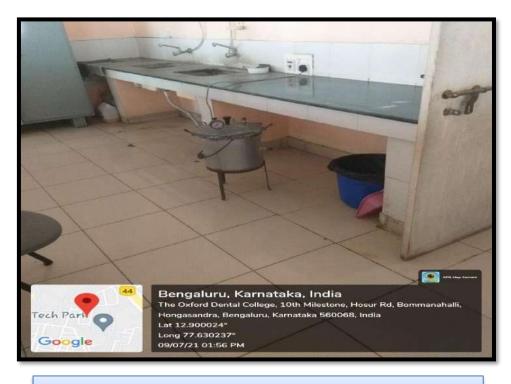
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Department of Public Health Dentistry



Colour coded bins for Biomedical waste in UG & PG clinic



Colour coded bins for General waste in Sterilization Room



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Write-up on E-waste management

E-Waste: In The Oxford Dental College, E-waste like abandoned laboratory equipments, air conditioners, electrical cables, printers and so on generated, is collected on bi annual basis from each department and handed over to authorised dismantlers and recyclers through The Oxford College of Engineering management.

Water recycling system: In The Oxford Dental College, strict protocol has been followed to dispose liquid waste to prevent discharge of pollutants to the storm drain system or to water courses. Non-hazardous liquid waste is dewatered. Water from the liquid waste is removed until only solid waste remains. Water generated from this process can be recycled back into the waste water system and the sludge is disposed of safely.



Water Recycling Unit

Dean and Director The Oxford Dental College, Bommnahall Hosur Road Bengaluru - 560 068



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Write-Up On Hazardous Chemicals and Radioactive Waste Management

Hazardous chemicals & radioactive waste: The hazardous chemicals generated in various departments are disposed of safely. After the use of the X ray processing solution that is generated in the Department of Oral Medicine and radiology is kept in the safe containers till it loses its strength and later handed over to registered agency for disposal. Waste silver amalgam that is generated while using in the Department of Endodontics is immersed in sodium thiosulphate and later handed over to registered agency for disposal.



Amalgam Disposal

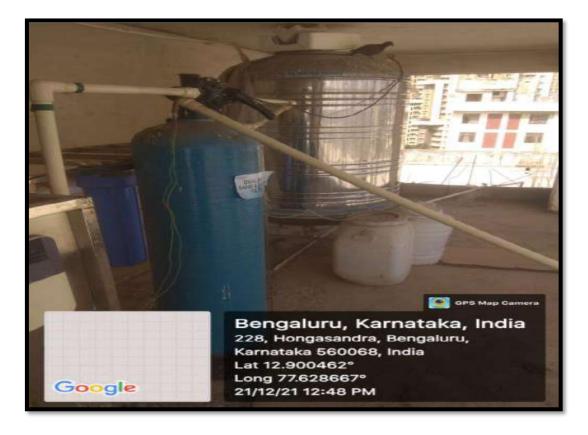
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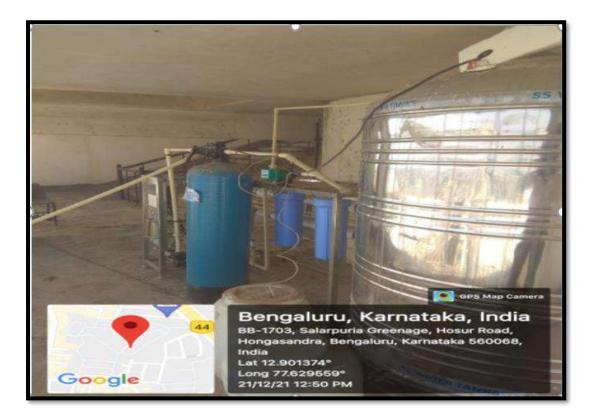


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Water Treatment Plant



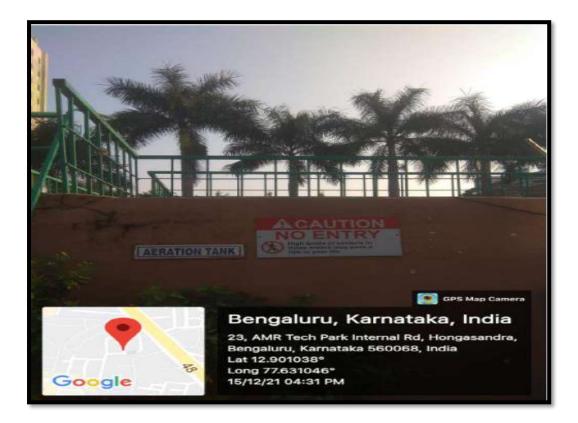




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Report on Infection Control and Biomedical Waste Management

The Oxford Dental college and hospital follows the protocol of the infection control and biomedical waste management. The programme for nurses and technicians was organised on 11/08/20, in the seminar room of the department of public health dentistry at 11:30 am they were educated on sterilization of the instruments using autoclave they were briefed about chair side disinfection and fumigation of clinical sections at the end of the day

The programme for technicians was organised on 11/12/20 and all the technicians were educated about the disinfection of the impressions of the patients, the models of the impressions and equipment in the lab area and they were also guided to follow the infection control protocol in the laboratory area.

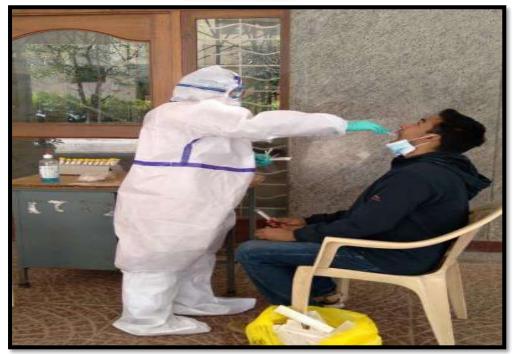
The programme for housekeeping staff was organised on 15/02/2021, where they were educated about the most important requirement in the hospital is to maintain the hygiene which is done by the house keeping staff that there is no harm from the hospital side to the sick people and to avoid any cross infections from other patients and doctors. All the clinical sections and the departments in the college follow the segregation of waste by placing separate bins for contaminated waste by the house keeping staff, plastics etc which is maintained by the house keeping staff, chair side protocols are followed by all the undergraduate, postgraduate students and staff during the treatment procedures till the patients are discharged from the clinics, the segregated biomedical waste is disposed from the hospital and authorised agencies.

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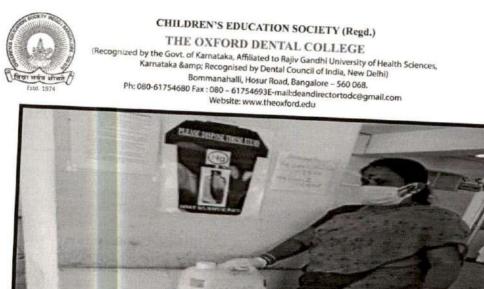
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Infection control protocol



Disposal of Used Needles





Collection of Amalgam Scrap



Working on Patients' Models After Disinfection

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